LATTICE-BASED UNSUPERVISED MAXIMUM LIKELIHOOD LINEAR REGRESSION FOR SPEAKER ADAPTATION

Abstract of the Disclosure

Methods and arrangements using lattice-based information for unsupervised

5   speaker adaptation. By performing adaptation against a word lattice, correct models are

more likely to be used in estimating a transform. Further, a particular type of lattice

proposed herein enables the use of a natural confidence measure given by the posterior

occupancy probability of a state, that is, the statistics of a particular state will be updated

with the current frame only if the *a posteriori* probability of the state at that particular time

10 is greater than a predetermined threshold.